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WHAT IS CLAIMED IS:

1. A metal coordination compound represented by the following formula (1):

$$\begin{array}{c}
R_2 \\
R_1 \\
CyN
\end{array}$$
(1),

wherein M denotes Ir, Pt, Rh or Pd; n is 2 or 3; R1 and R₂ independently denote a linear or branched alkyl group having $1 - \lambda 0$ carbon atoms capable of including one or at least two\non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C\delta C- and capable of including hydrogen atom which can be replaced with fluorine atom; and CyN denotes a cyclic group containing nitrogen atom connected to M and capable of having a substituent selected from the group consisting of halogen atom; nitro group; phenyl group; trialkylsilyl group having 1 - 8 carbon atoms; and a linear or branched alkyl group having 1 \- 20 carbon atoms capable of including one or at least two nonneighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CQ-, -CH=CH- or -C≡Cand capable of including hydrogen atom which can be replaced with fluorine atom.

2. A compound according to Claim 1, wherein CyN in the formula (1) is a cyclic group having a ring

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structure selected from the group consisting of pyridine, quinoline, imidazole, pyrazole, benzothiazole, benzoxazole, and benzimidazole, and capable of having said substituent.

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3. A compound according to Claim 1 or 2, wherein M in the formula (1) is Ir.

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4. An electrical device, comprising: a substrate, a first electrode disposed on the substrate, an organic compound layer disposed on the first electrode, and a second electrode disposed on the organic compound layer, the organic compound layer comprising a metal coordination compound represented by the following formula (1):

 $\begin{array}{c|c}
 & R_2 \\
 & R_1 \\
 & CyN
\end{array}$

(1),

wherein M denotes Ir, Pt, Rh or Pd; n is 2 or 3; R₁ and R₂ independently denote a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C≡C- and capable of including hydrogen atom which can be replaced with fluorine atom; and CyN denotes a cyclic group containing nitrogen atom connected to M and capable of having a

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substituent selected from the group consisting of halogen atom; nitro group; phenyl group; trialkylsilyl group having 1 - 8 carbon atoms; and a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S- -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=C- and capable of including hydrogen atom which can be replaced with fluorine atom.

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5. A device according to Claim 4, wherein CyN in the formula (1) is a cyclic group having a ring structure selected from the group consisting of pyridine, quinoline, imidazole, pyrazole, benzothiazole, benzoxazole, and benzimidazole, and capable of having said substituent.

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6. A device according to Claim 4, wherein M in the formula (1) is Ir.

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7. A device according to any one of Claims 4 - 6, wherein a voltage is applied between the first and second electrodes to cause luminescence from the organic compound layer.

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8. A display apparatus, comprising: an electrical device according to Claim 7 and voltage

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application means for applying a voltage to the electrical device.

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POSSERGE ALLEGE

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